RAW SEQUENCE LISTING
ERROR REPORT

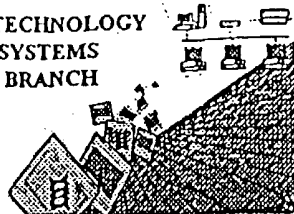**BIOTECHNOLOGY
SYSTEMS
BRANCH**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/932,076
Source: EFW016
Date Processed by STIC: 11-15-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u>
<u>VERSION 4.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U-S PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
   U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/937,076

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. _____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .); this will prevent "wrapping."

2. _____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3. _____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4. _____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5. _____ Variable Length — Sequence(s)_____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing

6. _____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7. _____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES " response to include the skipped sequences

8. _____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000

9. _____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10. _____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11. _____ Use of <220> — Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12. _____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13. _____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFW16

RAW SEQUENCE LISTING   DATE: 11/15/2004
PATENT APPLICATION: US/09/937,076   TIME: 14:32:50

Input Set : A:\110.01270101.ST25.txt
Output Set: N:\CRF4\11152004\I937076.raw

```
 3 <110> APPLICANT: MCCARTHY, James B.
 4        MILESKI, William J.
 5        JAMIESON, Jr., Gordon A.
 6        LOW, Walter C.
 7        SAWCHUCK, Ronald J.
 8        FURCHT, Leo T.
10 <120> TITLE OF INVENTION: METHODS OF USE OF BETA1-INTEGRIN INHIBITORS
12 <130> FILE REFERENCE: 110.01270101
14 <140> CURRENT APPLICATION NUMBER: 09/937,076
15 <141> CURRENT FILING DATE: 2002-03-27
17 <150> PRIOR APPLICATION NUMBER: PCT/US00/07680
18 <151> PRIOR FILING DATE: 2000-03-22
20 <150> PRIOR APPLICATION NUMBER: 60/125,634
21 <151> PRIOR FILING DATE: 1999-03-22
23 <150> PRIOR APPLICATION NUMBER: 60/167,538
24 <151> PRIOR FILING DATE: 1999-11-24
26 <160> NUMBER OF SEQ ID NOS: 18
28 <170> SOFTWARE: PatentIn version 3.2
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 9
32 <212> TYPE: PRT
33 <213> ORGANISM: ARTIFICIAL
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Peptide
38 <400> SEQUENCE: 1
40 Trp Gln Pro Pro Arg Ala Arg Ile Tyr
41 1               5
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 9
46 <212> TYPE: PRT
47 <213> ORGANISM: ARTIFICIAL
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Peptide
52 <400> SEQUENCE: 2
54 Trp Gln Pro Pro Arg Ala Ala Ile Tyr
55 1               5
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 8
60 <212> TYPE: PRT
61 <213> ORGANISM: ARTIFICIAL
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Peptide
66 <400> SEQUENCE: 3
```

Does Not Comply
Corrected Diskette Needed
(Pg. 1-4)

Pls explain source of genetic material.
— Invalid Response

Pls explain source of genetic material.
— Invalid Response

See item #11 on error summary sheet.

Same error — error

RAW SEQUENCE LISTING   DATE: 11/15/2004
PATENT APPLICATION: US/09/937,076   TIME: 14:32:50

Input Set : A:\110.01270101.ST25.txt
Output Set: N:\CRF4\11152004\I937076.raw

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 68 Gln Pro Pro Arg Ala Ala Ile Tyr
 69 1                  5
 72 <210> SEQ ID NO: 4
 73 <211> LENGTH: 9
 74 <212> TYPE: PRT
 75 <213> ORGANISM: ARTIFICIAL
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: Peptide
 80 <400> SEQUENCE: 4
 82 Trp Gln Pro Pro Ala Ala Arg Ile Tyr
 83 1                  5
 86 <210> SEQ ID NO: 5
 87 <211> LENGTH: 9
 88 <212> TYPE: PRT
 89 <213> ORGANISM: ARTIFICIAL
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Peptide
 94 <400> SEQUENCE: 5
 96 Ala Gln Pro Pro Arg Ala Arg Ile Tyr
 97 1                  5
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: ARTIFICIAL
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Peptide
108 <400> SEQUENCE: 6
110 Trp Ala Pro Pro Arg Ala Arg Ile Tyr
111 1                  5
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 9
116 <212> TYPE: PRT
117 <213> ORGANISM: ARTIFICIAL
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Peptide
122 <400> SEQUENCE: 7
124 Trp Gln Pro Pro Asp Ala Asp Ile Tyr
125 1                  5
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 9
130 <212> TYPE: PRT
131 <213> ORGANISM: ARTIFICIAL
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Peptide
136 <400> SEQUENCE: 8
138 Ala Arg Ile Thr Gly Tyr Ile Ile Tyr
139 1                  5
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 9
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[Handwritten annotations: "Same error" appears next to lines 78, 92, 106, 120, 134]

[Handwritten note at right: "See item #11 on error summary sheet."]

RAW SEQUENCE LISTING   DATE: 11/15/2004
PATENT APPLICATION: **US/09/937,076**   TIME: 14:32:50

Input Set : **A:\110.01270101.ST25.txt**
Output Set: **N:\CRF4\11152004\I937076.raw**

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144 <212> TYPE: PRT
145 <213> ORGANISM: ARTIFICIAL
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Peptide
150 <400> SEQUENCE: 9
152 Arg Ala Arg Ile Thr Gly Tyr Ile Tyr
153 1               5
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 9
158 <212> TYPE: PRT
159 <213> ORGANISM: ARTIFICIAL
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Peptide
164 <400> SEQUENCE: 10
166 Pro Arg Gln Ala Trp Arg Pro Ile Tyr
167 1               5
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 9
172 <212> TYPE: PRT
173 <213> ORGANISM: ARTIFICIAL
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Peptide
178 <400> SEQUENCE: 11
180 Arg Pro Ala Pro Gln Arg Trp Ile Tyr
181 1               5
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 6
186 <212> TYPE: PRT
187 <213> ORGANISM: ARTIFICIAL
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Peptide
192 <400> SEQUENCE: 12
194 Pro Arg Ala Arg Ile Tyr
195 1               5
198 <210> SEQ ID NO: 13
199 <211> LENGTH: 5
200 <212> TYPE: PRT
201 <213> ORGANISM: ARTIFICIAL
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Peptide
206 <400> SEQUENCE: 13
208 Arg Ala Arg Ile Tyr
209 1               5
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 4
214 <212> TYPE: PRT
215 <213> ORGANISM: ARTIFICIAL
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Peptide
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— same errors

```
RAW SEQUENCE LISTING              DATE: 11/15/2004
PATENT APPLICATION:  US/09/937,076    TIME: 14:32:50

     Input Set : A:\110.01270101.ST25.txt
     Output Set: N:\CRF4\11152004\I937076.raw


220 <400> SEQUENCE: 14
222 Ala Arg Ile Tyr
223 1
226 <210> SEQ ID NO: 15
227 <211> LENGTH: 5
228 <212> TYPE: PRT
229 <213> ORGANISM: ARTIFICIAL
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Peptide
234 <400> SEQUENCE: 15
236 Pro Arg Ala Arg Ile
237 1              5
240 <210> SEQ ID NO: 16
241 <211> LENGTH: 9
242 <212> TYPE: PRT
243 <213> ORGANISM: ARTIFICIAL
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Scrambled
248 <400> SEQUENCE: 16
250 Arg Pro Gln Ile Pro Trp Ala Arg Tyr
251 1              5
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 10
256 <212> TYPE: PRT
257 <213> ORGANISM: ARTIFICIAL
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Peptide
262 <400> SEQUENCE: 17
264 Pro Ala Ile Phe Asp Arg Ser Cys Gly Ser
265 1              5                  10
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 10
270 <212> TYPE: PRT
271 <213> ORGANISM: ARTIFICIAL
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Peptide
276 <400> SEQUENCE: 18
278 Pro Lys Val Met Glu Arg Thr Cys Asp Ser
279 1              5                  10
```

(handwritten annotations: "Pls explain source of genetic material", "Invalid response", "— SAme errors")

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/15/2004
PATENT APPLICATION: US/09/937,076   TIME: 14:32:51

Input Set : A:\110.01270101.ST25.txt
Output Set: N:\CRF4\11152004\I937076.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18

VERIFICATION SUMMARY   DATE: 11/15/2004
PATENT APPLICATION: **US/09/937,076**   TIME: 14:32:51

Input Set : **A:\110.01270101.ST25.txt**
Output Set: **N:\CRF4\11152004\I937076.raw**